

Delta Modeling Section Update

May 14, 2014

DSM2 Related Activities

THIS WILL NOT BE SUNG....

- Hiring , Retaining and Developing Skilled Staff
- Support for Various Programs
- Develop and Expand Features of Decision Support Tools

Hiring , Retaining and Developing Skilled Staff

- No new hires or promotions

Support for Various Programs

- Annual Report (Min Yu) – Six Chapters
- PTM Studies for CA FWS (Xiao Wang, Joey Zhou)
- Municipal Water Quality Investigations Program (Hari Rajbhandari, Siqing Liu)
- Gates in Georgiana Slough and along SJR (Subir Saha)
- South Delta Temporary Barriers Report (Lan Liang, Bob Suits)

Support for Various Programs – (cont)

- Drought Studies –
 - Emergency Barriers/Relaxation of Objectives (Siqing Liu, Ateljevich, Bryant Giorgi,...)
 - Modification/Development of Visualization Tools (Subir Saha, Ming-Yen Tu, Siqing Liu)
 - Historical Simulations (1922-) (Joey Zhou, Bob Suits)
 - Extension of DSM2 Boundary (Ines Ferreira)
 - Flow Balance (Rueen-Fang Wang, Eli Ateljevich)

Develop and Expand Features of Decision Support Tools

- DSM2v8 Development and Maintenance –
 - Changes to DSM2 Code (Lianwu Liu)
 - General Transport Model
 - Code Development (En-Ching Hsu, Nicky Sandhu, Eli Ateljevich)
 - Water Quality Module Development (Hari Rajbhandari)
 - Sediment Transport Development (Jamie Anderson)
 - Mercury Model Development – Reed Harris (Jamie Anderson, Myint Thein)
 - Particle Tracking Code Development (Xiao Wang)

Develop and Expand Features of Decision Support Tools (cont)

- DSM2v8 Development and Maintenance –
 - DSM2 bathymetry generator – Tom Heinzer (Ralph Finch)
 - PEST for DSM2 Calibration – Papadopoulos and Associates (Ralph Finch)